











Crop Weather Calendar of Rabi Eggplant: Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Bogra	Rabi Eggplant								Life cycle of crop, 180-190																			
Months	September				October				November				December				January				February							
Std.Week	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8			
Rainfall (mm)	60.0	60.0	76.0	74.0	51.0	42.0	25.0	18.0	5.0	5.0	0.0	0.0	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	1.0	1.0	1.0	4.0	3.0			
Max. Temp. (°C)	32.3	32.0	32.1	32.0	32.1	32.3	32.0	31.6	31.0	30.7	30.1	29.7	28.9	27.7	26.3	25.0	25.7	24.0	24.0	24.3	25.4	25.9	26.9	27.7	28.6			
Min. Temp. (°C)	26.0	26.0	26.0	25.1	25.0	24.0	23.4	21.7	21.0	19.9	18.3	17.3	15.7	15.0	14.1	12.0	13.4	12.0	11.4	11.4	12.0	12.9	13.6	14.6	15.4			
Mean Temp. (°C)	29.2	29.0	29.1	28.6	28.6	28.2	27.7	26.7	26.0	25.3	24.2	23.5	22.3	21.4	20.2	18.7	19.6	18.1	17.7	17.9	18.7	19.4	20.3	21.2	22.0			
RHmax (%)	95.9	96.3	96.1	96.4	96.0	96.0	95.7	95.1	94.3	94.6	94.1	93.9	93.9	93.7	94.6	94.3	94.6	94.1	94.3	94.3	93.9	93.1	92.1	91.4	90.4			
RHMin (%)	72.0	72.3	70.7	71.0	68.7	66.0	62.1	57.9	55.6	52.4	49.9	48.3	47.0	48.1	50.6	50.6	50.0	50.9	49.0	47.7	46.0	44.9	41.4	40.3	39.1			
RHmean (%)	84.0	84.3	83.4	83.7	82.4	81.0	78.9	76.5	75.0	73.5	72.0	71.1	70.5	70.9	72.6	72.5	72.3	72.5	71.7	71.0	70.0	69.0	66.8	65.9	64.8			
SShr (hrs)	35.0	35.0	37.0	37.0	44.0	48.0	54.0	57.0	52.0	55.0	55.0	56	56	54	48	49.0	46.0	44.0	44.0	46.0	50.0	50.0	52.0	53.0	56.0			
WD (deg)	147	152	160	174	170	184	199	198	186	200	202	205	217	222	232	249	248	258	247	239	252	249	233	234	229			
WS(Km/hr)	5.6	5.6	5.6	5.4	5.0	5.0	5.0	4.4	4.4	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.3	5.4	4.8	5.0	5.4	5.6	5.6	6.7			
																												
Stages	Germination and Seedling Planting				Vegetative Growth								Flowering				Fruiting				Harvesting							
Favorable environment	15-20° C				20-30° C								20-30° C				20-32° C				24-32° C							
Temperature	15-20° C				20-30° C								20-30° C				20-32° C				24-32° C							
Relative Humidity													50-75%															
Soil Temperature													22-25° C															
Sunshine Hour													6-8 hr															
Favorable environmental conditions for insects and diseases																												
Shoot and Fruit Borer													Temperature : 24-30° C, RH: 55-75%															
Leaf hopper/Jassid/Thrips													Temperature : 22-30° C, RH: 60-65%															
Epilachna beetle													Temperature : 25-30° C, RH: 55-65%															
Red Mites													Temperature : 15-26° C, RH: 60-70%															
White fly													Temperature : 22-32° C, RH: 55-75%															
Wilting													Temperature : 25-30° C, RH: 50-80%															
Foot rot/collar rot disease													Temperature : 24-30° C, RH: 70-80%															
Fruit rot																	Temperature : 28-32° C, RH: 55-75%											
Weather warning																												
Rainfall (mm)					Rainfall exceeds 5-10 mm (one day)																							
Cloudy weather													Cloudy condition															
Drought																	Moisture stress in the soil due to dry and warm weather											
Duration of soil remain wet (day)					3 to 5 days																							
Hailstorms					Last season rainfall with hailstorms																							
Wind speed (Km/hr.)					40 Km/hr or more																							
Temperature (°C)					32.5 to 35.5° C																							

Crop Weather Calendar of kharif Eggplant: Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Bogra	Kharip Eggplant																Life cycle of crop, 170-180								
Months	March			April				May				June					July				August				
Std.Week	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Rainfall (mm)	4.0	3.0	8.0	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0	74.0	70.0	92.0	76.0	93.0	80.0	91.0	76.0	63.0	61.0	72.0	67.0	56.0
Max. Temp. (°C)	31.9	32.9	32.9	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9	33.4	32.7	32.3	32.3	32.0	31.9	32.0	32.1	32.3	32.6	32.1	32.3	32.6
Min. Temp. (°C)	18.3	20.0	21.1	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0	25.9	26.0	26.1	26.1	26.0	26.1	26.0	26.1	26.3	26.9	26.3	26.4	26.1
Mean Temp. (°C)	25.1	26.5	27.0	28.1	28.7	28.5	28.4	28.2	28.8	28.9	29.0	29.5	29.7	29.4	29.2	29.2	29.0	29.0	29.0	29.1	29.3	29.8	29.2	29.4	29.4
RHmax (%)	86.4	86.3	87.7	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7	94.1	95.1	95.1	95.6	95.9	95.9	95.9	95.9	95.1	95.3	95.6	95.9	95.7
RHMin (%)	37.1	39.1	45.3	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6	66.7	70.4	72.4	73.9	73.3	74.1	74.4	73.3	72.0	71.9	73.3	72.7	71.7
RHmean (%)	61.8	62.7	66.5	66.2	67.1	70.7	72.9	74.9	75.6	76.4	78.2	79.2	80.4	82.8	83.8	84.8	84.6	85.0	85.2	84.6	83.6	83.6	84.5	84.3	83.7
SShr (hrs)	61.0	58.0	56.0	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0	39.0	33.0	28.0	26.0	28.0	31.0	29.0	28.0	35.0	37.0	36.0	31.0	35.0
WD (deg)	225	205	176	173	164	149	134	127	126	126	121	135	134	134	134	132	141	135	138	143	137	136	141	147	142
WS(Km/hr)	6.7	6.7	6.8	6.7	6.3	6.8	7.4	7.2	7.4	6.7	6.3	6.3	6.3	7.2	6.3	6.7	5.6	5.6	6.8	6.1	6.3	5.7	6.1	5.6	5.6
																									
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